

# CURRICULUM OVERVIEW 2018-19



## Design and Technology Year 8

Success for All through Achievement, Challenge & Enjoyment



# Curriculum Overview 2018-19

Year group: 8

Subject Design and Technology

<b>Term</b>	<b>Topics studied</b> Add dates and any assessments included	<b>Extended learning opportunities</b> (homework, controlled assessments, field work, trips etc.)	<b>How parents could support students</b>
Autumn Term	<ol style="list-style-type: none"> <li>1. Introduction into technical drawing.</li> <li>2. Orthographic drawing of a house.</li> <li>3. Step by step guide on drawing an isometric cube.</li> <li>4. Isometric drawings from worksheet.</li> <li>5. An Isometric drawing of the house</li> </ol>	<ol style="list-style-type: none"> <li>1. Research on Orthographic drawing</li> <li>2. Research on Isometric Drawing</li> <li>3. Research on using a scale rule.</li> </ol>	Help to assist students with researching and printing all of the extended learning tasks.
Spring Term	<ol style="list-style-type: none"> <li>6. Plan view example from a worksheet</li> <li>7. Plan view of your bedroom scale 1:20.</li> <li>8. Planometric drawing of bedroom scale 1:20 design from worksheet.</li> <li>9. Planometric drawing of your bedroom.</li> <li>10. Making a 1:20 model of your bedroom</li> <li>11. Using various materials to cut the bedroom furniture to size</li> </ol>	<ol style="list-style-type: none"> <li>4. Measure your bedroom size, including bed and furniture and create a plan view drawing</li> <li>5. Research on Floor plan views, Rightmove, etc.</li> <li>6. Research on Planometric Drawings</li> </ol>	Help to assist students with researching and printing all of the extended learning tasks.
Summer Term	<ol style="list-style-type: none"> <li>12. A scale drawing of the shed</li> <li>13. Making the shed framework</li> <li>14. Cutting and gluing the wall sides and ends</li> <li>15. Cutting and gluing the cladding.</li> <li>16. Making the roof and gluing,</li> <li>17. Evaluation of your shed build quality and accuracy,</li> <li>18. Self and Peer assessments</li> <li>19. 2 hours exam testing your ability to change a technical drawing view into another view using the same measurement.</li> </ol>	<ol style="list-style-type: none"> <li>7. Research on workshop tool, e.g Tenon saw, Gents saw, Bench hook, mitre saw, jigs.</li> </ol>	Help to assist students with researching and printing all of the extended learning tasks.